

AMENDMENTS TO THE SPECIFICATION WITH MARKINGS TO SHOW CHANGES MADE

The Abstract has been amended as follows. A clean copy of the Abstract is also submitted per separate sheet.

--ABSTRACT OF THE DISCLOSURE

The invention relates to a method for removing material from a three-dimensional surface (4) of any shape in a multi-layered manner by means of a material removing agent (9) such as a laser that acts in points on a surface, whereby. ~~According to said method,~~ a surface structure (2) is removed from the three-dimensional surface (4), the surface is approximated by a polygon network, and raster images are associated with the polygons (19) of the polygon network (18). ~~Said polygons are~~ and projected onto the machining region (4)) of the material removing ~~means~~ agent wherein a A series of superimposed polygon networks being associated with a layer of material, each of the polygon networks being associated with a layer in which material is removed, if the information stored on the projected raster image indicates the planned removal of material such that [.]. ~~The~~ use of polygon networks (18) for removing material in a multi-layered manner ensures a very precise removal of material from a surface structure (2) of any shape, thus creating a highly precise three-dimensional surface structure.--